

Text of the First Office Action

The present invention relates to a transformer. Through examination, the action is provided as follows:

I

1. Claims 1 and 11 do not conform to the provision of Item 3, Rule 22 of the Implementing Regulations. The first and second tube-shaped members in claim 1 are substantially a further definition to the first and second axially extending members in claim 11. The other features are the same. It appears that claim 1 is a dependent claim of claim 11.

2. Claim 1 asks to protect a transformer, Cited Reference 1 (US5,673,013A) disclosed a transformer, in which the following technical features are disclosed (See columns 2-5 of the Specification and Figs.1-4 in the drawings): a bobbin having first and second tube-shaped members (reference signs 20 and 30) which are coaxial and integral with one another, said first tube-shaped member being located radially within said second tube-shaped member so as to form a gap (a gap is formed between the spools 22 and 32, as shown in Fig.4) located therebetween; a first winding comprising a coil (sign 50) located in said gap between said first and second tube-shaped members of said bobbin; and a second winding (sign 60) affixed to said second tube-shaped member of said bobbin. It can be seen that Cited Reference 1 has disclosed all the technical features of claim 1. The technical solution disclosed by Cited Reference 1 and that claimed by claim 1 relate to the same technical field, and both bring about the same technical results. Thus, the technical solution claimed by claim 1 does not conform to the provision on novelty specified by Item 2, Article 22 of the Chinese Patent Law.

Since claim 1 is substantially a dependent claim of claim 11, claim 1, in comparison with Cited Reference 1, does not possess novelty, not conforming to the provision of Item 2, Article 22 of the Patent Law.

3. The technical features in characterizing portions of claims 3-10, 13-20 are known to those skilled in the art. It is obvious to those skilled in the art to obtain the technical solutions claimed by these claims on the basis of Cited Reference 1 in combination with common knowledge. When the referred claim does not possess any novelty nor inventiveness, these claims do not conform to the provision on inventiveness specified by Item 3, Article 22 of the Chinese Patent Law.

4. The following defects exist still in the Claims:

(1) Claims 5, 7, 15, 17 do not conform to the provision of Item 4, Article 26 of the Chinese Patent Law. The feature "... which allows current which is smaller than said second current to flow therethrough" has not been recorded in the Specification, thus can not be supported by the Specification.

(2) Claims 16, 18 do not conform to the provision of Item 1, Rule 20 of the Implementing Regulations, in which, the expression "said first and second axially extending members" lacks antecedent basis.

Thus, the applicant shall resubmit the amended claims to overcome the above-said defects and present the reason why the amended claims possess novelty and inventiveness over Cited Reference 1.

II

The reference sign 21d mentioned in the Specification (page 5, line 12) does not appear in the Drawings, and the sign 21c in Figs. 2 and 3 does not appear in the text of the Specification, not conforming to the provision of Item 3, Rule 19 of the Implementing Regulations.

In light of the above-said reasons, this application can not be granted a patent right based on the present documents. The applicant shall, within the specified time limit, submit the amended Claims and Specification. The amendments shall be in conformity with the provision of Article 33 of the Chinese Patent Law and none may go beyond the scope of the disclosure contained in the original Specification and Claims. The present application will be rejected based on the provision of Article 38 of the Chinese Patent Law, if there still are the defects that are under the circumstances specified by Rule 53 of the Implementing Regulations.